

FORM PTO-1449

U.S. DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICE

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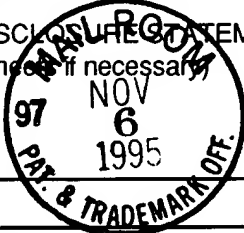
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08/409,122

INFORMATION DISCLOSURE STATEMENT

(Use several sheets if necessary)



APPLICANT(S)

J. G. JOYCE, ET AL.

FILING DATE

Mar 22, 1995

GROUP ART UNIT

U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
MC	5,437,951	8/1/95	LOWY ET AL.	435	69.1	

FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
						YES	NO

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

EXAMINER

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DATE CONSIDERED

9/3/96

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INFORMATION DISCLOSURE STATEMENT (Use several sheets if necessary)				APPLICANT(S) J. G. JOYCE, ET AL.	
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OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)					
ML		Browne, et al., "Analysis of the L1 Gene Product of Human Papillomavirus Type 16 by Expression in a Vaccinia Virus Recombinant" J. Gen. Virol. (1988) Vol. 69, pp. 1263-1273.			
ML		Doorbar, et al., "Identification of Proteins Encoded by the L1 and L2 Open Reading Frames of Human Papillomavirus 1a", J. of Virol., Sept. 1987, Vol. 67, No. 9., pp. 2793-2799.			
ML		Hanenese, et al., "Self-Assembly of Human Papillomavirus Type 1 Capsids by Expression of the L2 Protein Alone or by Coexpression . . .", J. of Virol., Jan. 1993, Vol. 67, No. 1, pp. 315-322.			
ML		Kirnbauer, R., "Papillomavirus L1 Major Capsid Protein Self-assembles into Virus-like Particles that are Highly Immunogenic", Proc. Natl. Acad. Sci., Vol. 89, pp. 12180-12184, Dec. 1992.			
ML		LeCann, et al., "Self-Assembly of Human Papillomavirus Type 16 Capsids by Expression of the L1 Protein in Insect Cells", FEMS Microb. Lett., 117 (1994), pp. 269-274.			
ML		Lin, et al., "Effective Vaccination Against Papilloma Development by Immunization with L1 or L2 Structural Protein . . .", Virology, Vol. 187, (1992) pp. 612-619.			
ML		Rose, et al., "Expression of Human Papillomavirus Type 11 L1 Protein in Insect Cells: In Vivo and In Vitro Assembly of Viruslike Particles", J. of Virol., Apr. 1993, pp. 1936-1944.			
ML		Steele, et al., "Humoral Assays of Human Sera to Disrupted and Nondisrupted Epitopes of Human Papillomavirus Type 1", Virology, Vol. 174, (1990) pp. 388-398.			
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ML		Zhou, et al., "Expression of Vaccinia Recombinant HPV HPV 16 L1 and L2 ORF Proteins in Eipthelial Cells . . .", Virology, Vol. 185, (1991), pp. 251-257.			
ML		Zhou, et al., "Increased Antibody Responses to Human Papillomavirus Type 16 L1 Protein Expressed by Recombinant Vaccinia . . .", J. Gen. Virology, (1990), Vol. 71, pp. 2185-2190.			
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EXAMINER <i>2 che</i>			DATE CONSIDERED 9/3/96		
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